

VLT-ISAAC, TIMMI2 and Spitzer Spectroscopy of Circumstellar Dust Disks: A Spatially Resolved $3.3\ \mu\text{m}$ PAH Feature Around HD 100546

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We present (preliminary) results of near- and mid-infrared spectroscopic data obtained with the La Silla 3.6-m TIMMI2 and the VLT-ISAAC instruments as well as recently obtained spectra from the new Spitzer Space Telescope. From our ISAAC sample, we present a detection of spatially extended PAH emission at $3.3\ \mu\text{m}$ for the Herbig Be star HD 100546, which corresponds to a source with radius 11 ± 3 AU in this line. From our TIMMI2 sample of Herbig stars, T Tauri stars, and Vega-like stars, we present a few preliminary results; silicate and Polycyclic Aromatic Hydrocarbon (PAH) emission features are detected and the spatial resolution of TIMMI2 allows us to place upper limits on the spatial extent of the emission. Finally, we present a few of our first results from the Spitzer Space Telescope which were recently obtained in the context of the Legacy program *From Cores to Disks* (PI: N. Evans).

